No. 200300065

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

EUROPLANT Pflanzenzucht GmbH

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC [illegible] ESTABLISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE [illegible] TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR [illegible]TING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE [illegible]URPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT [illegible] BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

POTATO

'MILVA'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this eleventh day of August, in the year two thousand and eight.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[illegible] of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions*

Form Approved - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

per correspondence 4-29-2008 LMC 4-29-2008

1. NAME OF OWNER
EUROPLANT Pflanzenzucht GmbH

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME

3. VARIETY NAME
M I L V A

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
Wulf-Werum-Strasse 1
P.O. Box 1380
D-21303 Luneburg
Germany

5. TELEPHONE *(Include area code)*
+49-5822-430

6. FAX *(Include area code)*
+49-5822-43100

FOR OFFICIAL USE ONLY

PVPO NUMBER
2003 00065

FILING DATE
12/17/2002

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*
Ltd. company

8. IF INCORPORATED, GIVE STATE OF INCORPORATION
Germany

9. DATE OF INCORPORATION
09 - 21 - 1992

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*

per letter 3-3-2008 LMC 3-25-2008

Hanse Seed Corp.
Mr. John Thomas Düsing
803, Nandina Dr.
Weston, Fl, 33327
U.S.A.

FEES RECEIVED

FILING AND EXAMINATION FEES:
$ 2705.-
DATE 12/17/2002

CERTIFICATION FEE:
$ 768.00
DATE 6/5/08

11. TELEPHONE *(Include area code)*

12. FAX *(Include area code)*

13. E-MAIL

14. CROP KIND *(Common Name)*
POTATO

15. GENUS AND SPECIES NAME OF CROP
SOLANUM TUBEROSUM L.

16. FAMILY NAME *(Botanical)*
Solanacea

17. IS THE VARIETY A FIRST GENERATION HYBRID?
☐ YES ☒ NO

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

a. ☒ Exhibit A. Origin and Breeding History of the Variety
b. ☒ Exhibit B. Statement of Distinctness
c. ☐ Exhibit C. Objective Description of Variety
d. ☒ Exhibit D. Additional Description of the Variety *(Optional)*
e. ☒ Exhibit E. Statement of the Basis of the Owner's Ownership
f. ☒ Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)*
g. ☐ Filing and Examination Fee ($2,705), made payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)*

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? *See Section 83(a) of the Plant Variety Protection Act)*
☐ YES *(If "yes", answer items 20 and 21 below)* ☒ NO *(If "no", go to item 22)*

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? ☐ YES ☐ NO
IF YES, WHICH CLASSES? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? ☐ YES ☐ NO
IF YES, SPECIFY THE NUMBER 1,2,3, *etc.* ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED
(If additional explanation is necessary, please use the space indicated on the reverse.)

22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?
☒ YES see statement ☐ NO
IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. *(Please use space indicated on reverse.)*

23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT *(PLANT BREEDER'S RIGHT OR PATENT)*?
☒ YES see statement ☐ NO
IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER	SIGNATURE OF OWNER
Europlant Pflanzenzuchtgesellschaft mbH, Bahnhofstr. 53 • 29574 Ebstorf	
NAME *(Please print or type)*: Helmut Kleinschmidt	NAME *(Please print or type)*
CAPACITY OR TITLE: General Director	DATE: Oct.-15-02
CAPACITY OR TITLE	DATE

S&T-470 (07-01) designed by the Plant Variety Protection Office with WordPerfect 9.0. Replaces STD-470 (04-01) which is obsolete. *(See reverse for instructions and information collection burden statement)*

INSTRUCTIONS

20030065

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to **reproduce** the variety, or for tuber reproduced varieties verification that a viable *(in the sense that it will reproduce an entire plant)* tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for $2,705 ($320 filing fee and $2,385 examination fee), payable to "Treasurer of the United States" *(See Section 97.6 of the Regulations and Rules of Practice.)* Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of $320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office
Telephone: (301) 504-5518
FAX: (301) 504-5291
Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified

18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:

(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.

18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, *etc.*

18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.

19. If "Yes" is specified *(seed of this variety be sold by variety name only, as a class of certified seed)*, the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. *(See Regulations and Rules of Practice, Section 97.103).*

22. *See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.*

23. *See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.*

21. CONTINUED FROM FRONT *(Please provide a statement as to the limitation and sequence of generations that may be certified.)*

22. CONTINUED FROM FRONT *(Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)*

23. CONTINUED FROM FRONT *(Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)*

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. *(See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)*

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8011 http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

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#200300065

EUROPLANT Pflanzenzucht GmbH

EUROPLANT Pflanzenzucht GmbH - Postfach 1380 - D-21303 Lüneburg

Böhm-Nordkartoffel Agrarproduktion
Am Hof 9
D-18334 Lindholz

Export/EU Rechnung

ILN Re-Empfänger	Kundennummer	Seite
	500351	1
Rechnungsnummer	Rechnungsdatum	
EUL00.200772	26.10.2000	

Bitte bei Zahlung und Rückfragen angeben!

Ust-Id.Nr. Rechnungsempf.	Bearbeiter
DE 07118503400	M HARTKOPF

Versandart: HL - EK 947

Referenznummer/-datum: EPB7 11

Auftragsnummer	Lieferdatum
EUB01.203827	26.10.2000

Unsere Steuernummer	Ihre Steuernummer
3321101930	

Es gelten für diese Lieferung unsere rückseitig abgedruckten Verkaufsbedingungen !

ANr./EAN	Artikelbezeichnung	Menge EH	kg	Preis DEM	Betrag DEM	Ust %
10134	1 MILVA PFLANZKARTOFFELN B/S NORMALSORTIERUNG 35-55 MM	200 SACK 25 KG	4.500,00	75,00	3.375,00	7,00

steuerfrei: bei innergem.Lief. nach § 4 Nr. 1 in Verb. mit §6a UStG, Ausfuhrl.ins Drittland.§6 UStG

Alle anfallenden Kosten für Entsorgung von Transportverpackung sind im Preis berücksichtigt !

st.pfl. Betrag DEM	USt-Steuer DEM	Endbetrag DEM	USt
3.375,00	236,25	3.611,25	7,00
3.375,00	236,25	3.611,25	

Lieferbedingung: Franco
Zahlungsbedingung: Zahlung rein netto bis zum 25.11.00

Bankverbindung:	Kontonr.	BLZ
Commerzbank Lüneburg	4381810	24040000
IBAN DE93 2404 0000 0438 1810 00		
SWIFT-BIC: COBA DE FF		

	Kontonr.	BLZ
Deutsche Bank Hannover	0196196	25070070
IBAN DE14 2507 0070 0019 6196 00		
SWIFT-BIC: DEUTDE2HXXX		

200300065

EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg
Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant-potato.de

EXPLANATION
FIRST SALES OF POTATO VARIETY
MILVA

MILVA was registered in The Netherlands in 1997. In 1996 we stared micro propagation in vitro with this variety. In 1997 we planted tissue culture plantlets into our own greenhouses and produces the mini tubers at our breeding stations in Petersgroden, Böhlendorf, Ebstorf and Kaltenberg (all Germany).

In 1998 the mini tubers where planted in open fields and we had received the first open field multiplication, also on our own breeding stations mentioned above.

In spring 1999 the variety **MILVA** seeds were delivered to our seed multiplication farms in the EU protected zone for potato multiplication in the federal state of Mecklenburg-Vorpommern and in Petersgroden for further multiplication in order to increase the available material.

After two multiplication steps by our own farm, the total production was collected in September 2000 for commercial sales to clients which took place for the first time in October 2001.

Signature : .....
Jörg Renatus
Managing Director

EUROPLANT
Pflanzenzucht GmbH
Seal Postfach 13 80
21303 Lüneburg
Lüneburg; 2002-10-15

200300065

EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg
Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant-potato.de

Exhibit A.

Origin and Breeding History Potato Variety

MILVA

Breeding history

MILVA was bred at our associated breeding station Petersgroden (Lower Saxony, Germany) by cross breeding.

Last crossing was in 1986 by DUNJA x NENA

MILVA is listed at the Dutch Plant Variety Office under the reference number ARD 1194 and is protected in EC - Europe at the Community Plant Variety Office under reference number EU 2835.

Number of Generations over which stability and uniformity have been observed:

Stability and uniformity of the potato variety **MILVA** have been officially proved at the German Plant Variety Office, annually proved since the first DUS trial in 1995 (until October 2002 eight generations).

Off-types and variants:

The potato variety **MILVA** is stable and uniform without showing any variants and off-types.

Selection criteria:

middle early maturity (III)
mainly firm cooking quality (B)
yellow flesh colour
smooth yellow skin, oval to long-oval shape
no discoloration after cooking
very good consumption quality and suitable for processing of dehydrated products
resistances to diseases, good to virus PVY and high PVA, good to PLRV, nematodes Ro 1+4

Signature : .....
Jörg Renatus
Managing Director

Seal
EUROPLANT
Pflanzenzucht GmbH
Postfach 13 80
21303 Lüneburg

Lüneburg; 2002-10-15

#200300065

EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg
Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant.biz

Exhibit B.

Statement of distinctness Potato Variety

'MILVA' is most similar to 'SATINA'
Per correspondence March 25, 2008 **MILVA**
LMC 3-26-08

MILVA is distinct from SATINA by:

Variety	Characteristic	stage of variety
MILVA	Lightsprought base Intensity of anthocyan	strong to very strong
SATINA	Lightsprought base Intensity of anthocyan	weak

The German and Dutch Plant Variety office uses reference varieties for the various morphological characters of a potato variety. Quantities characters such as plant size, maturity, etc. are given as numerical marks following the "UPOV Guidelines for the Conduct of Tests for Distinctiveness, Homogeneity and Stability".

The variety **MILVA** was proven to be distinct from all other potato varieties in Germany and The Netherlands and all other member states of UPOV on 1996-06-26. The Dutch Plant Variety Office protected **MILVA** under the reference No. ARD 1194. The DUS results are available at:

Raad voor Plantenrassen
Postbus 27
NL – 6710 BA Ede

Tel.: +31– 318 822 580
Fax: +31– 318 822 589

On 1998-04-20 plant breeders rights have been granted by the EC-Europe Community Plant Variety Office for the variety **MILVA.**

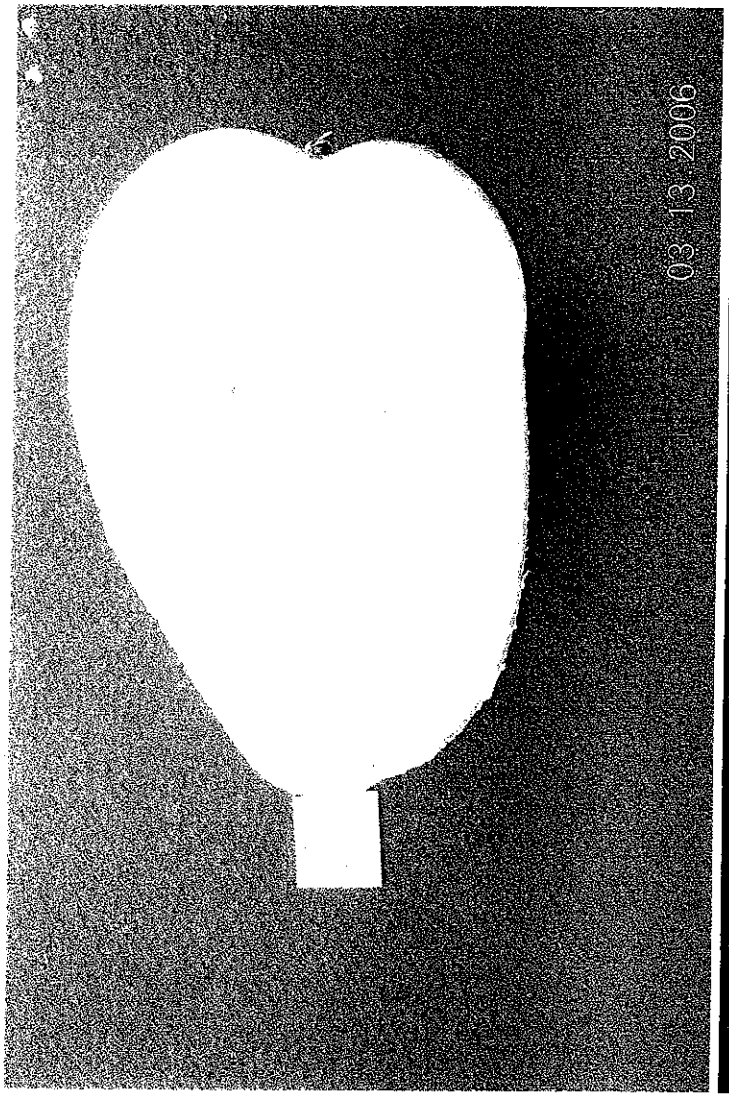
Signature : .....
Jörg Renatus
Managing Director

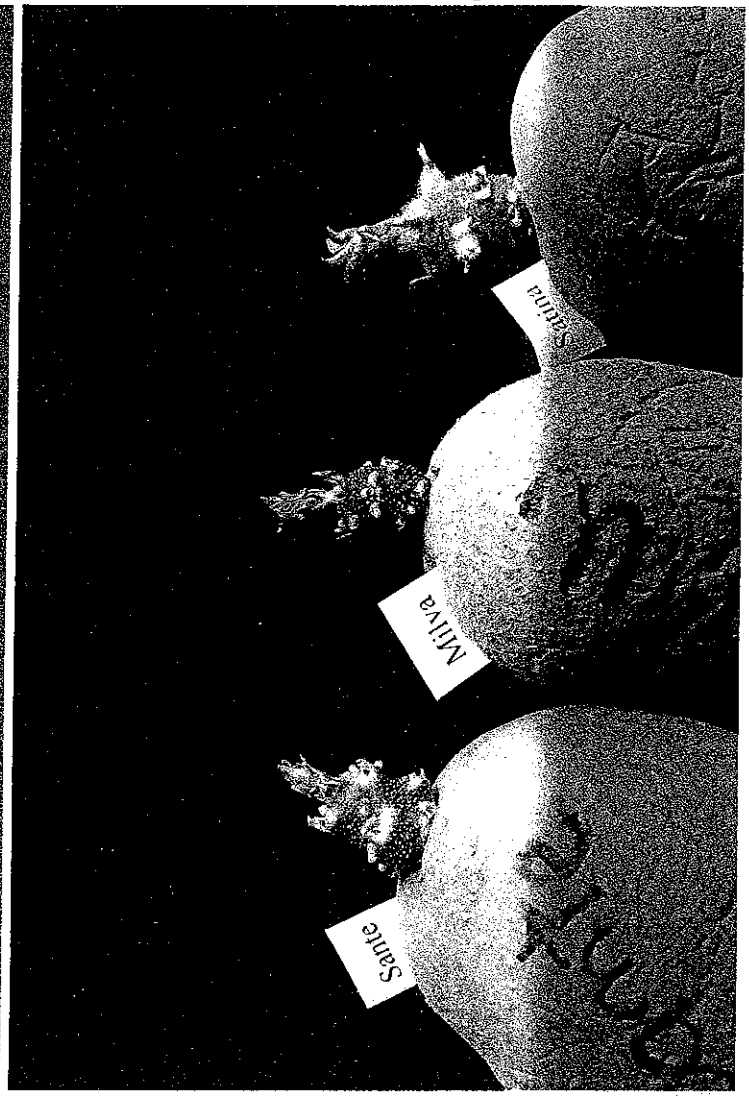
Seal

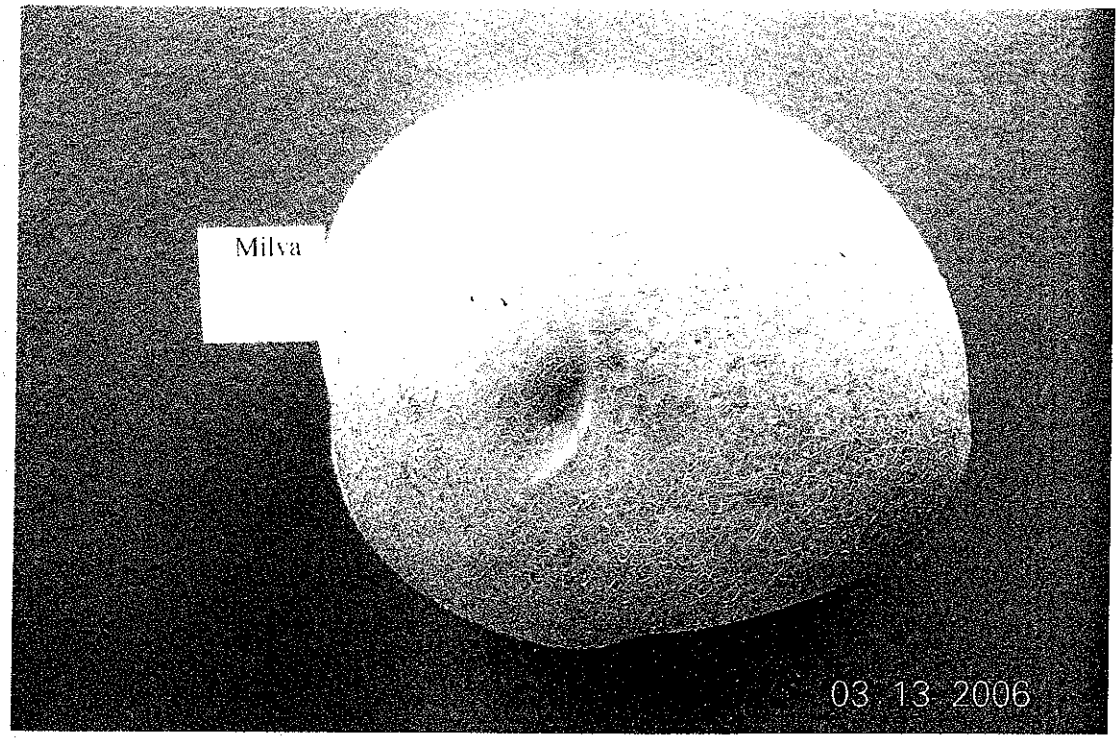
Lüneburg; 2008-03-03

EUROPLANT Pflanzenzucht GmbH • EUROPLANT • Wulf-Werum-Straße 1, 21337 Lüneburg

#200300065







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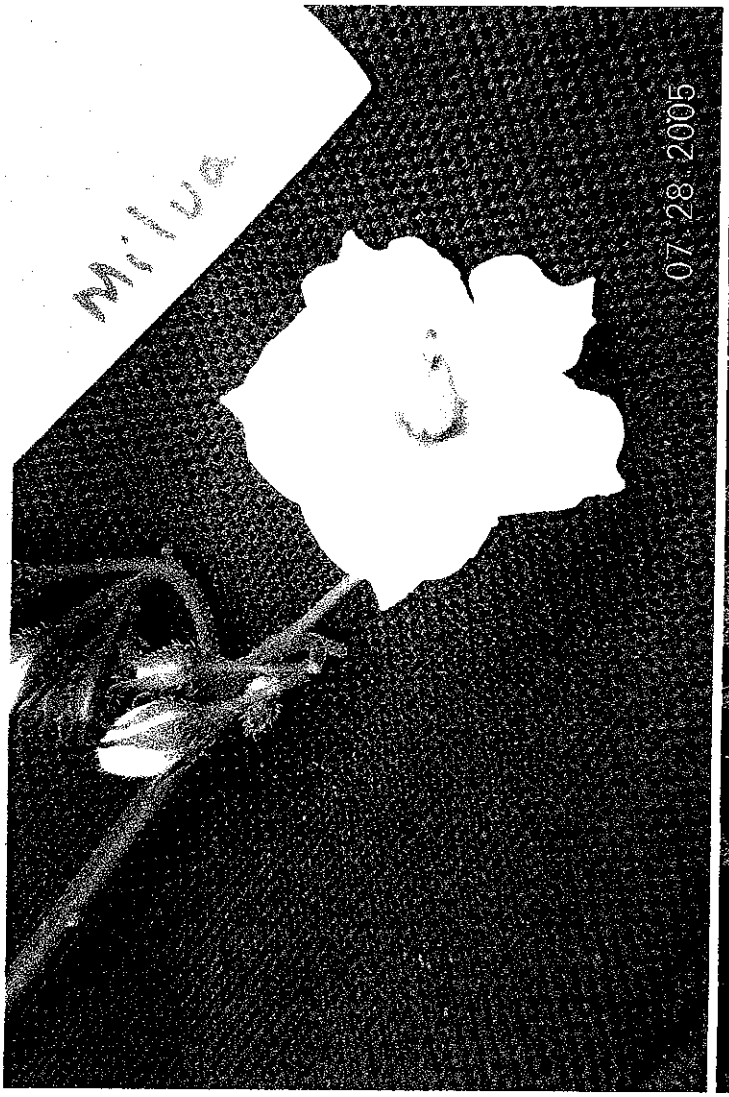

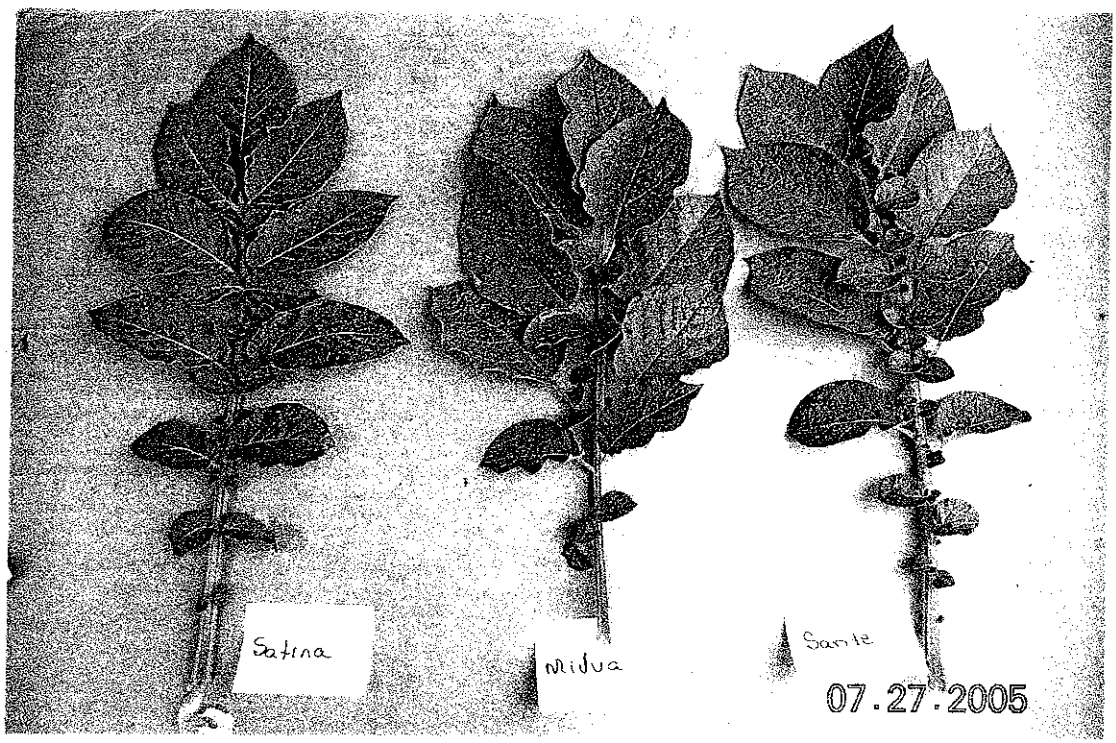

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhib

OBJECTIVE DESCRIPTION OF VARIETY
Potato (*Solanum tuberosum* L.)

INSTRUCTIONS

The Objective Description Form:
The objective description form lists characteristics to be used as the basis for developing the description of potato varieties. It is designed to guide the applicant in describing a variety in detail so a meaningful comparison with other potato varieties can be accomplished. It is recommended that this form be completed in as much detail as possible to ensure an accurate description. Please fill in the requested data and place the appropriate number tha describes the varietal characters typical of this potato variety and the reference varieties in the respective boxes.

Test Guidelines:
Any statistical and trial (field test) data that may be necessary to support the variety description should be attache to this form. Please include for trial data the plot size, number of replications, number of plants, plant spacing, tria locations and growing periods. Trials should normally be conducted at one place, in the region that the variety ha been adapted for, with a minimum of one growing period in the United States. All comparative data should be determined from varieties entered in the same trials. The size of the plots should be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made at the end of the growing period. As a minimum, each test should include a total of 60 plants which should be divide between two or more replicates. Separate plots for observation and measuring can only be used if they have bee subject to similar environmental conditions. To determine color for a plant or plant parts a recognized standard color chart must be used such as the Royal Horticultural Society (RHS) Color Chart or Munsell Color Chart (MCC)

Reference Varieties:
The application variety should be compared to at least one reference variety preferably a set of reference varieties The reference varieties should be market class standard varieties currently grown in the United States and or the variety (ies) most similar. The following varieties are recommended as market class standards to be used as reference varieties:

Yellow-flesh table-stock	Yukon Gold
Round-white table-stock	Superior
Chip-processing	Atlantic, Snowden, Norchip
Frozen-processing	Russet Burbank
Russet table-stock	Russet Burbank, Russet Norkotah, Goldrush
Red table-stock	Red Pontiac, Red Norland, Red Lasoda

If the applicant does not use one of the recommended reference varieties by the PVP office, a complete descriptic of the reference variety should be submitted by the applicant (Exhibit C).

10

Characteristics:
Light sprout characteristics are supplied in **Figure 1**. The plant type and growth habit characteristics are collected at early first bloom. **Figure 2** is supplied to help visualize the growth habit. For this descriptor, look at the stems rather than the stems and foliage. Plant maturity is measured at natural vine senescence.

Stem characteristics are also collected at early bloom. Stem anthocyanin coloration is divided into two descriptors: Location and intensity. **Figure 3** is supplied to give an example of stem wings.

Leaf characteristics are observed at early first bloom. Fully-developed leaves located on the middle third of the plant should be used. Leaf pubescence refers to general trichomes. **Figure 4** is supplied for examples of leaf silhouette. Leaf stipules are shown in **Figure 5** for visual definition. **Figure 6** is supplied to define leaf characteristics. **Figure 7** should be used to describe terminal and primary leaflet shape. **Figures 8 and 9** are used to describe the terminal and primary leaflet shape of tip and base, respectively. To measure the total number of primary leaflets pairs, collect 10 fully developed petioles (with leaves attached from each replication) and take the average number of secondary and tertiary leaflets. Glandular trichomes should be described in the Additional Comments and Characteristics (Descriptor 15).

Inflorescence characteristics should be measured at early first bloom. **Figures 10, 11 and 12** are supplied to describe anther and stigma shape, respectively. Corolla, calyx, anther, stigma, and pollen should be observed on newly opened flowers. Berry production should be based on field-grown plants rather than greenhouse plants.

Tuber characteristics should be observed following harvest. **Figures 13 and 14** are available to describe distribution of secondary color and tuber shape, respectively.

Disease and pest reactions should be based upon specific tests or statistical analysis rather than just field observations, rating 1 as Highly Resistance and 9 as Highly Susceptible, please follow the scale on each descriptor. Other diseases or pests reactions not requested can be described if it is felt that it would be helpful to determine novelty of the variety.

Quality characteristics should be described according to the market use.

If the plant is transgenic, this gene insertion(s) should be described.

Chemical identification and any other characteristics can be described if they are helpful in distinguishing the variety.

Legend:

V = Application Variety

R1-R4 = Reference Varieties

* = Both the reference variety (ies) and application variety must be described for characteristics designated with an asterisk.

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
EUROPLANT Pflanzenzucht GmbH		MILVA

ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country)
Wulf-Werum-Strasse 1
P.O. Box 1380
D-21303 Luneburg
Germany

per correspondence
4-29-2008
LMC
4-29-2008

FOR OFFICIAL USE ONLY

PVPO NUMBER
#200300065

REFERENCE VARIETIES: Enter the reference variety name in the appropriate box.

Application Variety (V)	Reference Variety 1 (R1)	Reference Variety 2 (R2)	Reference Variety 3 (R3)	Reference Variety 4 (R4)
MILVA	SATINA	SANTE		

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

1. MARKET CHARACTERISTICS:

***MARKET CLASS:**
1 = Yellow-flesh Tablestock 2 = Round-white Tablestock 3 = Chip-processing 4 = Frozen-processing
5 = Russet Tablestock 6 = Other _____

V	R1	R2	R3	R4
1	1	1		

2. LIGHT SPROUT CHARACTERISTICS: (See Figure 1)

***LIGHT SPROUT: GENERAL SHAPE**
1 = Spherical 2 = Ovoid 3 = Conica 4 = Broad cylindrica 5 = Narrow cylindrical 6 = Other _____

V	R1	R2	R3	R4
2	2	2		

***LIGHT SPROUT BASE: PUBESCENCE OF TIP**
1 = Absent 2 = Weak 3 = Medium 4 = Strong 5 = Very Strong

V	R1	R2	R3	R4
1	4	1		

***LIGHT SPROUT BASE: ANTHOCYANIN COLORATION**
1 = Green 2 = Red-violet 3 = Blue-violet 4 = Other(describe) _____

V	R1	R2	R3	R4
3				

***LIGHT SPROUT BASE: INTENSITY OF ANTHOCYANIN COLORATION (IF PRESENT)**
1 = Absent 2 = Weak 3 = Medium 4 = Strong 5 = Very Strong

V	R1	R2	R3	R4
5	2	3		

***LIGHT SPROUT TIP: HABIT**
1 = Closed 2 = Intermediate 3 = Open

V	R1	R2	R3	R4
2	2	1		

2. **LIGHT SPROUT CHARACTERISTICS:** (continued)

LIGHT SPROUT TIP: PUBESCENCE
1 = Absent 2 = Weak 3 = Medium 4 = Strong 5 = Very Strong

V	R1	R2	R3	R4
3	2-3	2		

LIGHT SPROUT TIP ANTHOCYANIN COLORATION
1 = Green 2 = Red-violet 3 = Blue-violet 4 = Other(describe) _____

V	R1	R2	R3	R4

LIGHT SPROUT TIP: INTENSITY OF ANTHOCANIN COLORATION (IF PRESENT)
1 = Absent 2 = Weak 3 = Medium 4 = Strong 5 = Very Strong

V	R1	R2	R3	R4
4	1	1		

LIGHT SPROUT ROOT INITIALS: FREQUENCY
1 = Short 2 = Medium 3 = Long

V	R1	R2	R3	R4
2	1	2		

3. **PLANT CHARACTERISTICS:**

GROWTH HABIT: (See Figure 2)
3 = Erect (>45° with ground) 5 = Semi-erect (30-45° with ground) 7 = Spreading

V	R1	R2	R3	R4
5	5	5		

TYPE:
1 = Stem (foliage open, stems clearly visible) 2 = Intermediate 3 = Leaf (Foliage closed, stems hardly visible)

V	R1	R2	R3	R4
2	2	2		

MATURITY: Days after planting (DAP) at vine senescence

V	R1	R2	R3	R4

PLANTING DATE:

V	R1	R2	R3	R4

***REGIONAL AREA:**
1 = Pacific North West (WA, OR, ID, CO, CA) 2 = North Central (ND, WI, MI, MN, OH) 3 = North East (ME, NY, PA, NJ, MD, MA, RI,)
4 = Mid-Atlantic Erect (VI, NC, SC, South NJ, FL) 5 = South (LA, TX, AZ, NE) 6 = Canada
7 = Europe 8 = England 9 = Latin America 10 = Brazil 11 = Other _____

V	R1	R2	R3	R4
6	6	6		

MATURITY CLASS:
1 = Very Early (<100 DAP) 2 = Early (100-110 DAP) 3 = Mid-season (111-120 DAP) 4 = Late (121-130 DAP) 5 = Very Late (>130 DAP).

V	R1	R2	R3	R4
3	3	3		

4. **STEM CHARACTERISTICS:** Measure at early first bloom

*** STEM ANTHOCYANIN COLORATION:**
1 = Absent 3= Weak 5 = Medium 7 = Strong 9 = Very Strong

V	R1	R2	R3	R4
3	1-2	3		

STEM WINGS: (See Figure 3)
1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very Strong

V	R1	R2	R3	R4
3				

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5. **LEAF CHARACTERISTICS:** LMC 3-25-2008

LEAF COLOR: (*Observe fully developed leaves located on middle 1/3 of plant*)
1 = Yellowing-green 2 = Olive-green 3 = Medium Green 4 = Dark Green 5 = Grey-green 6 = Other _____

V	R1	R2	R3	R4
2-3	2-3	5		

LEAF COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart
(*Observe fully developed leaves located on middle 1/3 of plant and circle the appropriate color chart*)

V	R1	R2	R3	R4

LEAF PUBESCENCE DENSITY:
1 = Absent 2 = Sparse 3 = Medium 4 = Thick 5 = Heavy

V	R1	R2	R3	R4

LEAF PUBESCENCE LENGTH:
1 = None 2 = Short 3 = Medium 4 = Long 5 = Very Long

V	R1	R2	R3	R4

(*Note Descriptor #15 can be used to describe the type and length of the glandular trichomes observed.*)

*** LEAF SILHOUETTE:** (See Figure 4)
1 = Closed 3 = Medium 5 = Open

V	R1	R2	R3	R4
3	3	3		

PETIOLES ANTHOCYANIN COLORATION:
1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very Strong

V	R1	R2	R3	R4
1	1	1		

LEAF STIPULES SIZE: (Se Figure 5)
1 = Absent 3 = Small 5 = Medium 7 = Large

V	R1	R2	R3	R4
3				

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TERMINAL LEAFLET SHAPE (See Figures 6 and 7)
1 = Narrowly ovate 2 = Medium Ovate 3 = Broadly Ovate 4 = Lanceolate 5 = Elliptical 6 = Obovate 7 = Oblong 8 = Other _____

V	R1	R2	R3	R4
2	2	1		

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5. LEAF CHARACTERISTICS: (continued)

TERMINAL LEAFLET TIP SHAPE: (See Figures 6 and 8)
1 = Acute 2 = Cuspidate 3 = Acuminate 4 = Obtuse 5 = Other _____

V	R1	R2	R3	R4
1	3	1-3		

* **TERMINAL LEAFLET BASE SHAPE:** (See Figure 9)
1 = Cuneate 2 = Acute 3 = Obtuse 4 = Cordate 5 = Truncate 6 = Lobed 7 = Other _____

V	R1	R2	R3	R4
4	3-4	3		

TERMINAL LEAFLET MARGIN WAVINESS:
1 = Absent 2 = Slight 3 = Weak 4 = Medium 5 = Strong

V	R1	R2	R3	R4
3-4	3-4	3-4		

NUMBER OF PRIMARY LEAFLET PAIRS: (See Figure 6)

AVERAGE:

V	R1	R2	R3	R4

RANGE:

V		R1		R2		R3		R4	
	to		to		to		to		to

PRIMARY LEAFLET TIP SHAPE: (See Figures 6 and 8)
1 = Acute 2 = Cuspidate 3 = Acuminate 4 = Obtuse 5 = Other _____

V	R1	R2	R3	R4
1	1	1		

PRIMARY LEAFLET SIZE:
1 = Very Small 2 = Small 3 = Medium 4 = Large 5 = Very Large

V	R1	R2	R3	R4
3	3	3		

PRIMARY LEAFLET SHAPE: (See Figures 6 and 7)
1 = Narrowly ovate 2 = Medium ovate 3 = Broadly ovate 4 = Lanceolate 5 = Elliptical 6 = Ovate 7 = Oblong 8 = Other _____

V	R1	R2	R3	R4
1-2	1	1		

PRIMARY LEAFLET BASE SHAPE: (See Figures 6 and 9)
1 = Cuneate 2 = Acute 3 = Obtuse 4 = Cordate 5 = Truncate 6 = Lobed 7 = Other _____

V	R1	R2	R3	R4
3-4	4	4		

NUMBER OF SECONDARY AND TERTIARY LEAFLET PAIRS: (See Figure 6)

AVERAGE:

V	R1	R2	R3	R4
weak to medium	medium to strong	medium		

RANGE:

V		R1		R2		R3		R4	
	to		to		to		to		to

5. **LEAF CHARACTERISTICS:** (continued)

NUMBER OF INFLORESCENCE/PLANT:

AVERAGE:

V	R1	R2	R3	R4
medium	high	medium		

RANGE:

V	R1	R2	R3	R4
to	to	to	to	to

NUMBER OF FLORETS/INFLORESCENCE:

AVERAGE:

V	R1	R2	R3	R4

RANGE:

V	R1	R2	R3	R4
to	to	to	to	to

*** COROLLA INNER SURFACE COLOR CHART VALUE:** Royal Horticulture Society Color Chart or Munsell Color Chart (Measure predominant color of newly open flower and circle the appropriate color chart)

V	R1	R2	R3	R4
157 B	157 A	157 C		

*** COROLLA OUTER SURFACE COLOR CHART VALUE:** Royal Horticulture Society Color Chart or Munsell Color Chart (Measure predominant color of newly open flower and circle the appropriate color chart)

V	R1	R2	R3	R4

*** COROLLA INNER SURFACE COLOR:** (Measure predominant color of newly open flower)
1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-white
9 = Purple 10 = Violet 11 = Other _____

V	R1	R2	R3	R4
1	1	1		

COROLLA SHAPE: (See Figure 10)
1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate

V	R1	R2	R3	R4
3				

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6. **INFLORESCENCE CHARACTERISTICS:** 3-25-2008

CALYX ANTHOCYANIN COLORATION:
1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong

V	R1	R2	R3	R4
1	1	5		

ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flower is fully expanded and circle the appropriate color chart)

V	R1	R2	R3	R4

ANTHER SHAPE: (See Figure 11)
1 = Broad cone 2 = Narrow cone 3 = Pear-shaped cone 4 = Loose 5 = Other

V	R1	R2	R3	R4

6. INFLORESCENCE CHARACTERISTICS: (continued)

POLLEN PRODUCTION:
1 = None 3 = Some 5 = Abundant

V	R1	R2	R3	R4

STIGMA SHAPE: (See Figure 12)
1 = Capitate 2 = Clavate 3 Bi-lobed

V	R1	R2	R3	R4

STIGMA COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Circle the appropriate color chart)

V	R1	R2	R3	R4

BERRY PRODUCTION: (Under field conditions)
1 = Absent 3 = Low 5 = Moderate 7 = Heavy 9 = Very Heavy

V	R1	R2	R3	R4
1				

7. TUBER CHARACTERISTICS:

*** PREDOMINANT SKIN COLOR:**
1 = White 2 = Light Yellow 3 = Yellow 4 = Buff 5 = Tan 6 = Brown 7 = Pink 8 = Red 9 = Purplish-red
10 = Purple 11 = Dark purple-black 12 = Other _____

V	R1	R2	R3	R4
3	2	3		

PREDOMINANT SKIN COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Circle the appropriate color chart)

V	R1	R2	R3	R4

SECONDARY SKIN COLOR:
1 = Absent 2 = Present (please describe)

V	R1	R2	R3	R4
1				

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SECONDARY SKIN COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Circle the appropriate color)

V	R1	R2	R3	R4

SECONDARY SKIN COLOR DISTRIBUTION: (See Figure 13)
1 = Eyes 2 = Eyebrows 3 = Splashed 4 = Scattered 5 = Spectacled 6 = Stippled 7 = Other _____

V	R1	R2	R3	R4

SKIN TEXTURE:
1 = Smooth 2 = Rough (flaky) 3 = Netted 4 = Russetted 5 = Heavily russetted 6 = Other _____

V	R1	R2	R3	R4
1	2	1		

7. **TUBER CHARACTERISTICS:** (continued)

*** TUBER SHAPE:** (See Figure 14)
1 = Compressed 2 = Round 3 = Oval 4 = Oblong 5 = Long 6 = Other _____

V	3	R1	2	R2	2	R3		R4	

TUBER THICKNESS:
1 = Round 2 = Medium thick 3 = Slightly flattened 4 = Flattened 5 = Other _____

V		R1		R2		R3		R4	

TUBER LENGTH (mm):

AVERAGE:

V		R1		R2		R3		R4	

RANGE:

V	to	R1	to	R2	to	R3	to	R4	to

STANDARD DEVIATION:

V		R1		R2		R3		R4	

AVERAGE WEIGHT OF SAMPLE TAKEN:

V		R1		R2		R3		R4	

TUBER WIDTH (mm)

AVERAGE:

V		R1		R2		R3		R4	

RANGE:

V	to	R1	to	R2	to	R3	to	R4	to

STANDARD DEVIATION:

V		R1		R2		R3		R4	

AVERAGE WEIGHT OF SAMPLE TAKEN (g):

V		R1		R2		R3		R4	

7. TUBER CHARACTERISTICS: (continued)

TUBER THICKNESS (mm):

AVERAGE:

V		R1		R2		R3		R4	

RANGE:

V	to	R1	to	R2	to	R3	to	R4	to

STANDARD DEVIATION:

V		R1		R2		R3		R4	

AVERAGE WEIGHT OF SAMPLE TAKEN (g):

V		R1		R2		R3		R4	

TUBER EYE DEPTH:

1 = Protruding 3 = Shallow 5 = Intermediate 7 = Deep 9 = Very deep

V	5	R1	5	R2	5	R3		R4	

TUBER LATERAL EYES:

1 = Protruding 3 = Shallow 5 = Intermediate 7 = Deep 9 = Very deep

V	5	R1		R2		R3		R4	

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NUMBER EYE/TUBER: LMC 3-25-2008

AVERAGE:

V		R1		R2		R3		R4	

RANGE:

V	to	R1	to	R2	to	R3	to	R4	to

DISTRIBUTION OF TUBER EYES:

1 = Predominantly apical 2 = Evenly distributed

V	2	R1	1	R2	2	R3		R4	

PROMINENCE OF TUBER EYEBROWS:

1= Absent 2 = Slight prominence 3 = Medium prominence 4 = Very prominent 5 = Other _____

V	2-3	R1	3	R2	2	R3		R4	

7. TUBER CHARACTERISTICS: (continued)

PREDOMINANT TUBER FLESH COLOR
1 = White 2 = Light Yellow 3 = Yellow 4 = Buff 5 = Tan 6 = Brown 7 = Pink 8 = Red 9 = Purplish-red
10 = Purple 11 = Dark purple-black 12 = Other _____

V	R1	R2	R3	R4
3	3	2-3		

PRIMARY TUBER FLESH COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Circle the appropriate color chart)

V	R1	R2	R3	R4

SECONDARY TUBER FLESH COLOR:

1 = Absent 2 = Present, please describe: _____

V	R1	R2	R3	R4
1	1	1		

SECONDARY TUBER FLESH COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Circle the appropriate color chart)

V	R1	R2	R3	R4

NUMBER OF TUBERS/PLANT:
1 = Low (<8) 2 = Medium (8-15) 3 = High (>15)

V	R1	R2	R3	R4
2	2	2		

8. DISEASES CHARACTERISTICS:

DISEASES REACTION: 0 = Not Tested 1 = Highly Resistant 2 = Resistant Few Symptoms 3 = Resistance Few Lessions in Number and Size 4 = Moderately Resistance 5 = Intermedia Susceptible 6 = Moderate Susceptible 7 = Susceptible 9 = Highly Susceptible

LATE BLIGHT: (Phytophthora)

V	R1	R2	R3	R4
3	4			

EARLY BLIGHT: (Alternaria)

V	R1	R2	R3	R4

SOFT ROT (Erwinia)

V	R1	R2	R3	R4
3	4			

COMMON SCAB (Streptomyces)

V	R1	R2	R3	R4
3	3			

POWDERY SCAB (Spongospora)

V	R1	R2	R3	R4

DRY ROT (Fusarium)

V	R1	R2	R3	R4

POTATO LEAF ROLL VIRUS (PLRV)

V	R1	R2	R3	R4
4	3			

8. DISEASES CHARACTERISTICS: (continued)

POTATO VIRUS X (PVX)

V		R1		R2		R3		R4	

POTATO VIRUS Y (PVY)

V	4	R1	7	R2		R3		R4	

POTATO VIRUS M (PVM)

V		R1		R2		R3		R4	

POTATO VIRUS A (PVA)

V		R1		R2		R3		R4	

GOLDEN NEMATODE (Globodera)

V	2 Ro 1+4	R1	Ro 1	R2		R3		R4	

ROOT – KNOT NEMATODE (Meloidogyne)

V		R1		R2		R3		R4	

OTHER DISEASE _____

V		R1		R2		R3		R4	

PHYSIOLOGICAL DISORDER

1 = Malformed shape 2 = Tuber cracking 3 = Feathering 4 = Hollow heart 5 = Internal necrosis
6 = Blackheart 7 = Internal sprouting 8 = Other _____

V		R1		R2		R3		R4	

9. PESTS CHARACTERISTICS:

PEST REACTION: 0 = Not Tested 1 = Highly Resistant 2 = Resistant Few Symptoms 3 = Resistance Few Lessions in Number and Size
4 = Moderately Resistance 5 = Intermedia Susceptible 6 = Moderate Susceptible
7 = Susceptible 9 = Highly Susceptible

COLORADO POTATO BEETLE (CPB) (*Leptinotarsa*)

V		R1		R2		R3		R4	

GREEN PEACH APHID (*Myzus*)

V		R1		R2		R3		R4	

OTHER:

V		R1		R2		R3		R4	

OTHER:

V		R1		R2		R3		R4	

10. GENE TRAITS:

INSERTION OF GENES: 1 = YES 2 = NO [x]

IF YES, describe the gene(s) introduced or attach information:

11. QUALITY CHARACTERISTICS:

CHIEF MARKET:

SPECIFIC GRAVITY (wt. air/wt. air – wt. water)
1 = <1.060 2 = 1.060-1.069 3 = 1.070-1.079 4 = 1.080-1.089 5 = >1.090

V		R1		R2		R3		R4	

TOTAL GLYCOALKALOID CONTENT (mg./100 g. fresh tuber)

V	2	R1		R2		R3		R4	

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OTHER QUALITY CHARACTERISTICS: Describe any other quality characteristics that may aid in identification, (e.g., chip-processing, french fry processing, baking, boiling, after-cooking darkening). Please attach data and corresponding protocol.

12. CHEMICAL IDENTIFICATION:

Describe chemical traits of the candidate variety that aid in its identification (e.g., protien or DSN electrophoresis). Please attach data and the corresponding protocol.

13. FINGER PRINTING MARKERS:

ISOZYMES 1 = YES 2 = NO [ ]

IF YES, attach information

14. DNA PROFILE: 1 = YES 2 = NO [ ]

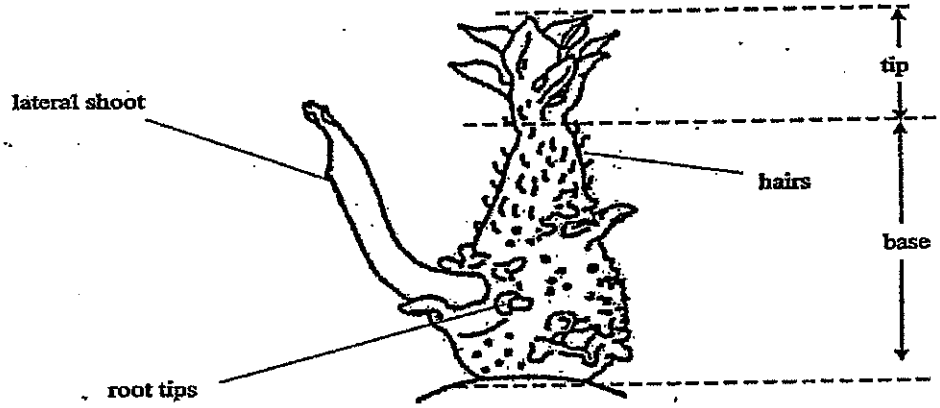
IF YES, attach information

15. ADDDITIONAL COMMENTS AND CHARACTERISTICS:

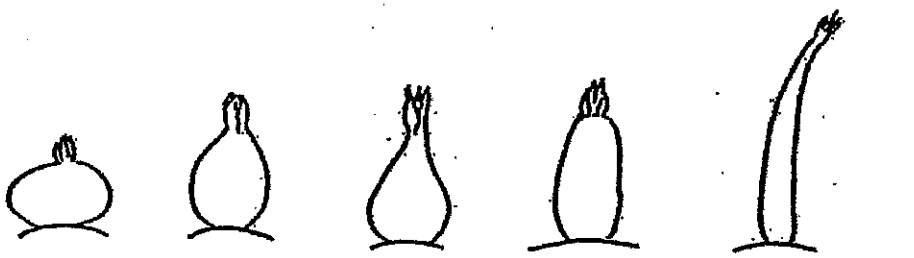
Include any additional descriptors that would be useful in distringulshing the candidate variety.

Figure 1: Light sprout

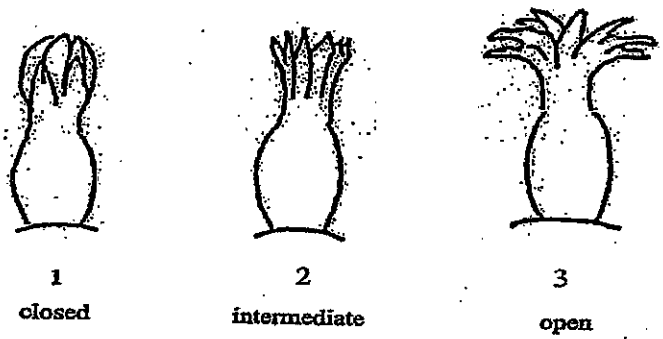
Light sprout dissection



Light sprout shape



Light sprout tip habit



The characteristic should be observed after about 10 weeks to obtain a good differentiation in the collection.

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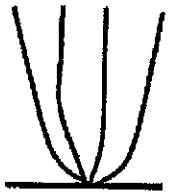
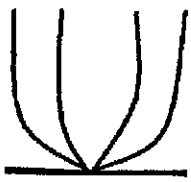
Figure 2: Growth Habit

Erect



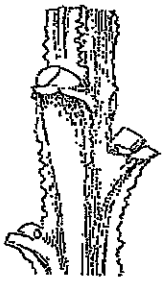
Semi Erect



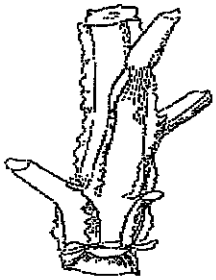
Spreading

Figure 3: Stem Wings

Weak



Medium



Strong

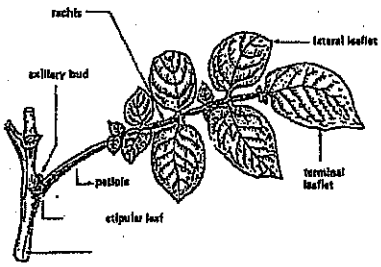
Figure 4: Leaf Silhouette

Closed

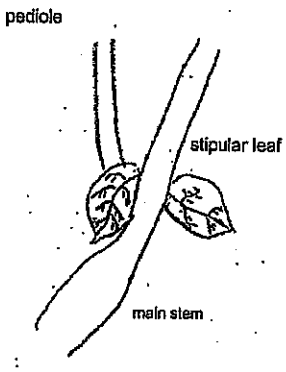
Medium

Open

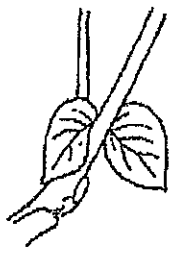
Figure 5: Leaf Stipules



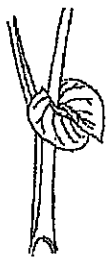
General structures



Small stipular leaf



Medium stipular leaf



Large stipular leaf

Figure 6: Leaf Dissection

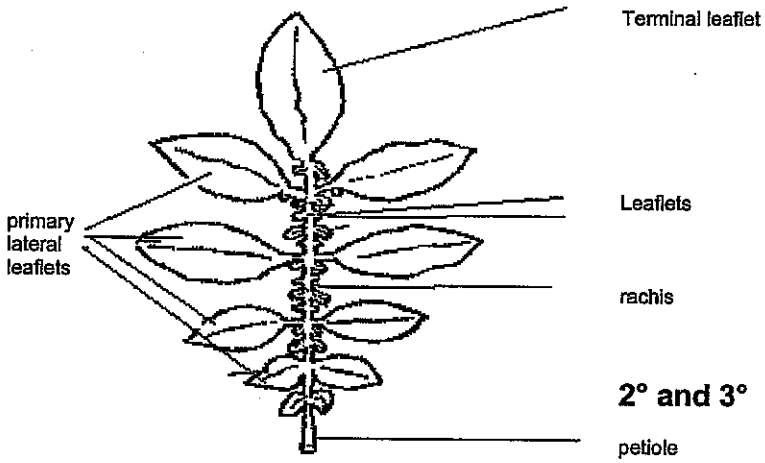
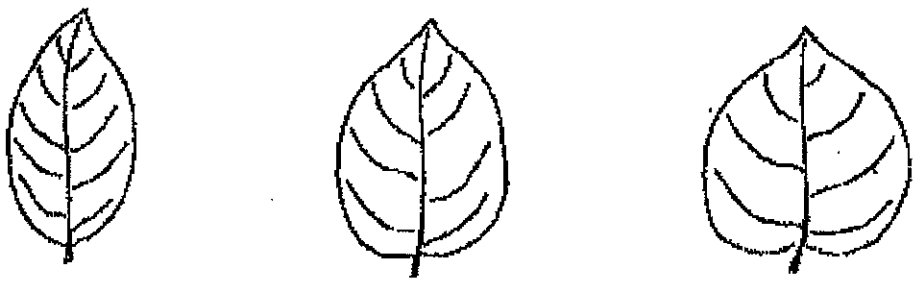


Figure 7: Terminal Leaflet Shape/Primary Leaflet Shape



Narrowly Ovate | Medium Ovate | Broadly Ovate

Lanceolate | Elliptical | Obovate | Oblong

Figure 8: Terminal Leaflet Shape of Tip/Primary Leaflet Shape of Tip

Acute | Cuspidate | Acuminate | Obtuse

26

Figure 9: Terminal Leaflet Shape of Base/Primary Leafelet Shape of Base

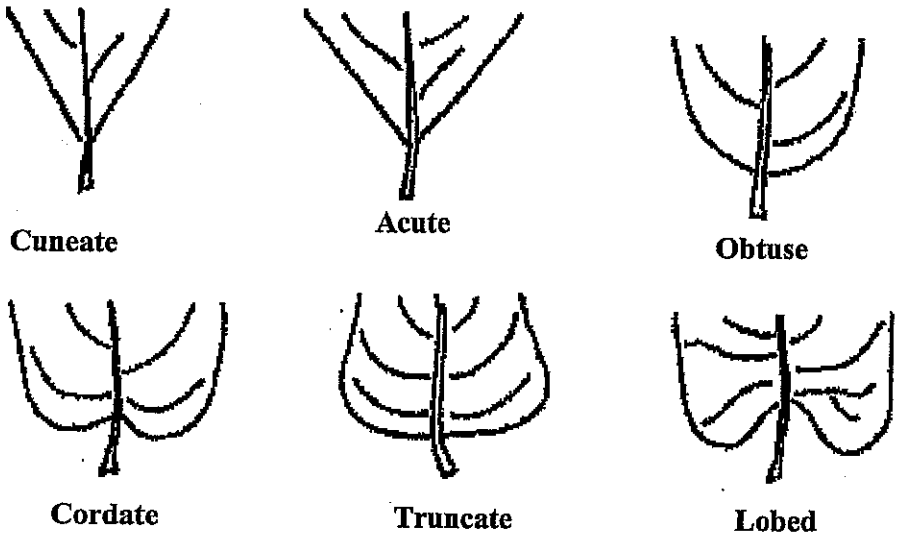


Figure 10: Corolla Shape

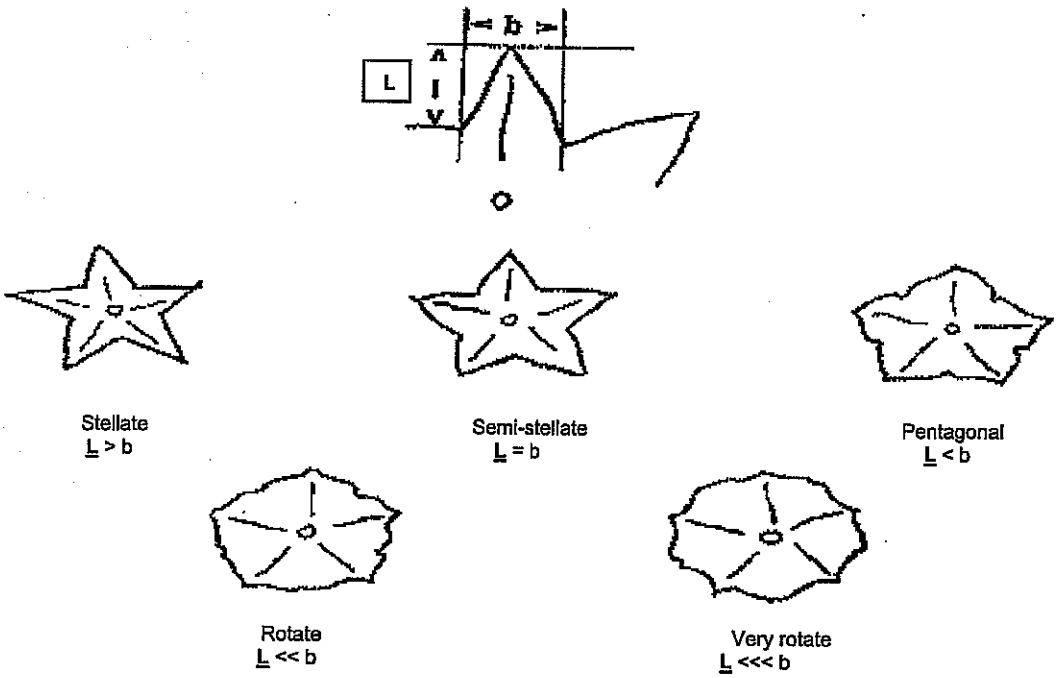
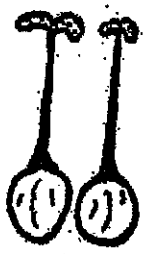


Figure 11: Anther Shape

Figure 12: Stigma Shape

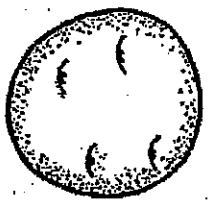
Capitate

Clavate

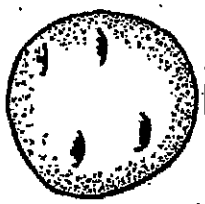


Bi-lobed

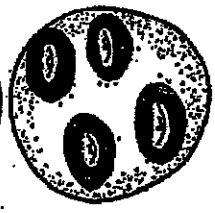
Figure 13: Distribution of Secondary Skin Tuber Color



Eyes

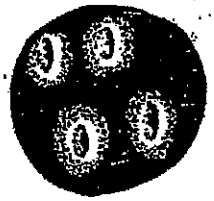


Eyebrows

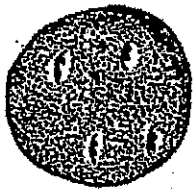


Splashed

Scattered



Spectacled



Stippled

Figure 14: Tuber Shape

Compressed

Round

Oval

Oblong

Long

References:

Huaman, Z. 1986. Systematic botany and morphology of the potato. Technical information Bulletin 6. International Potato Center, Lima, Peru.

Huaman, Z., Williams, J.T., Salhuana, W. and Vincent, L. Descriptors for the cultivated potato and the maintenance and distribution of germplasm collections. 1977. International Board for Plant Genetic Resources. Rome, Italy.

Potato (*Solanum tuberosum* L.) Guidelines for the conduct of tests for distinctness, uniformity and stability. International union for the protection of new varieties of plants (UPOV). 2004-03-31.

Exhibit D

Milva NN

Maturity	:	middle early
cooking type (EAPR)	:	B, mainly firm cooking
resistance to nematodes	:	Ro 1 + 4
resistance to potato wart disease (Synchytr.)	:	-
tuber shape	:	oval
eye depth	:	shallow
skin	:	smooth
flesh colour	:	yellow
yield	:	very high on all soils
calibration	:	big tubers, regular size
consumption quality	:	good taste
discoloration after cooking	:	very low

resistances

Y-Virus (PVY)	:	medium
potato leaf roll virus (PLRV)	:	medium
common scab (Streptomyces scabies)	:	high
black leg (Erwinia spp.)	:	high
late blight (Phytophthora infestans)	:	high
internal rust spots	:	high
processing quality	:	peeled and dry products
sensitivity to mechanical damage	:	very low
dormancy	:	high, good storage-ability

MILVA is a medium early very high yielding variety and can be produced on all types of soils with a stable high consumption quality. Soils with internal rust spot problems should be avoided and treatment against aphids is recommended

MILVA has a medium to high tuberisation rate and should be planted with 30 to 32 cm in 75 cm row.

MILVA has a high Nitrogen efficiency – Nitrogen fertilisation should be reduced

Europlant Pflanzenzucht GmbH
P.O.Box 1380 – D-21303 Lueneburg
europlant@europlant-potato.de
www.europlant-potato.de

#200300065

REPORT ON TECHNICAL EXAMINATION

1.	Reference no. of reporting authority	: ARD 1194
2.	Requesting authority	: Ministry of Agriculture & Rural Affairs , TR-06172 YENIMAHALLE - ANKARA, TR
3.	Reference no. of requesting authority	: ?
4.	Breeder's reference	: NKG 86-1158
5.	Date of application in requesting State	: 9-12-2005
6.	Applicant	: Saatzucht Johs. Berding & Sohn, , D
7.	Agent (if applicable)	:
8.	Botanical name of taxon	: Solanum tuberosum L.
9.	Common name of taxon	: Potato
10.	Variety denomination	: Milva
11.	Breeder (if different from applicant)	:
12.	Testing authority	: Raad voor plantenrassen, Ede, NL
13.	Testing station(s) and place(s)	: Naktuinbouw, Roelofarendsveen/Wageningen
14.	Period of testing	: 1994/1995
15.	Date and place of issue of document	: Ede,27-02-2008

16. RESULTS OF THE TECHNICAL EXAMINATION AND CONCLUSION

a. Report on Distinctness: The variety

- is clearly distinguishable from any other variety [X]
- is not clearly distinguishable from all varieties [ ]

whose existence is known to us.

b. Report on Homogeneity: The variety

- is sufficiently homogeneous [X]
- is not sufficiently homogeneous [ ]

having regard to the particular features of its sexual reproduction or vegetative propagation.

c. Report on Stability: The variety

- is stable [X]
- is not stable [ ]

in its essential characteristics.

In the case of a positive conclusion, a description of the variety is given as annex to this report.

17. REMARKS

18. Signatures

THE SECRETARY OF THE
PLANT VARIETIES BOARD,

RAAD VOOR HET KWEKERSRECHT
EDE
C.E. Vigelandzoon

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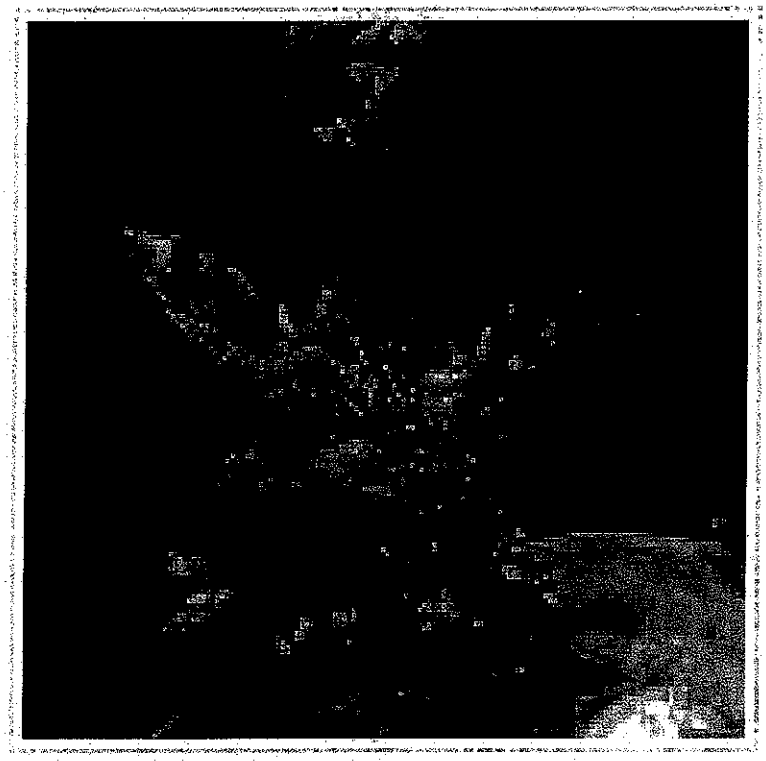
#200300065

ATLANTIC

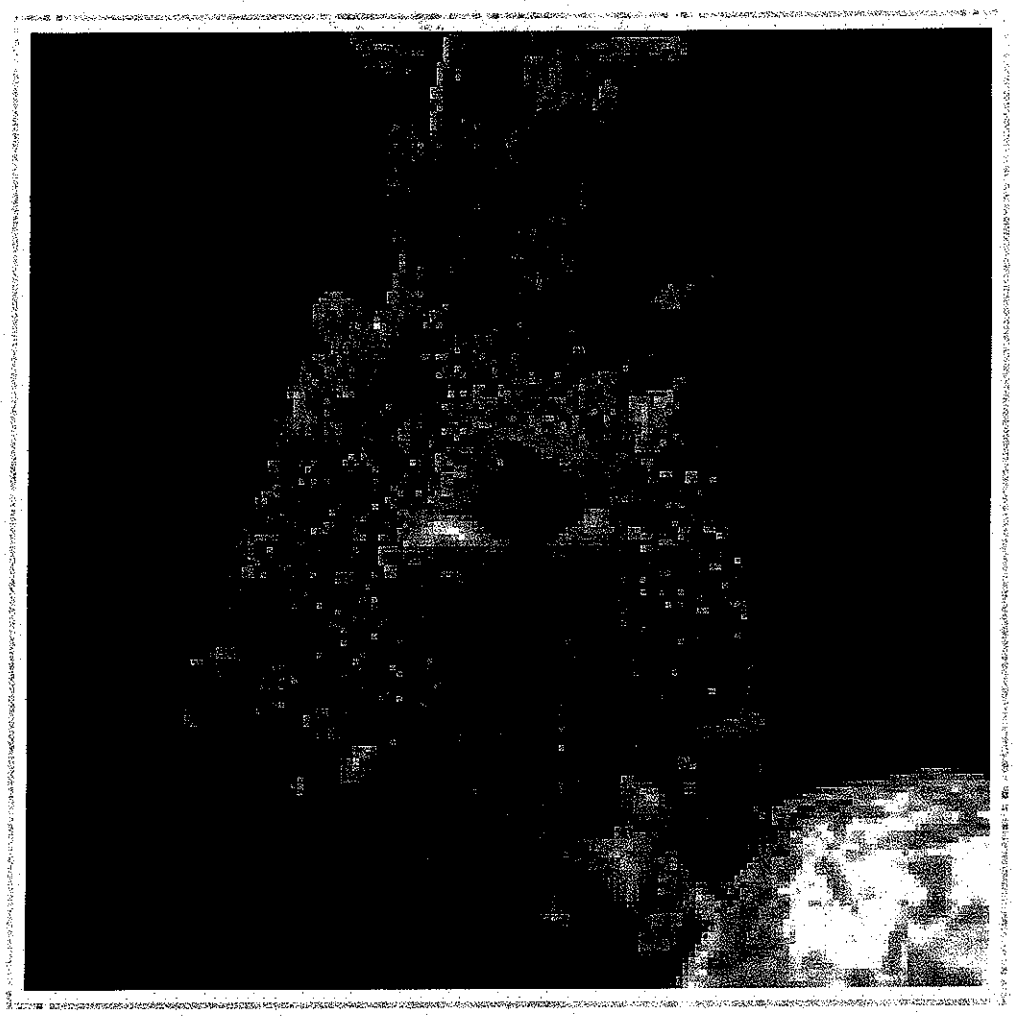
#200300065



ATLANTIC

VICTORIA

#200300065



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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued *(7 U.S.C. 2421)*. The information is held confidential until the certificate is issued *(7 U.S.C. 2426)*.

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
EUROPLANT Pflanzenzucht GmbH		M I L V A
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP, and Country)*	**5. TELEPHONE** *(Include area code)*	**6. FAX** *(Include area code)*
P.O. Box 13 80 D - 21303 Lüneburg Germany	+49-4141-748005	+49-4131-7480583
	7. PVPO NUMBER 200300065	

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. **If no, please explain** ☐ YES ☒ NO

see annexed statement

9. Is the applicant (individual or company) a U.S. National or a U.S. based company? **If no, give name of country** ☐ YES ☒ NO

Germany

10. Is the applicant the original owner? ☐ YES ☒ NO **If no, please answer one of the following:**

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO **If no, give name of country**

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☒ NO **If no, give name of country**

Germany

11. Additional explanation on ownership *(If needed, use the reverse for extra space)*:

See attachment.
Per correspondence 3-3-2008
LMC 3-25-2008

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

#200300065

EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg
Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant.biz

Statement of the Basis of the Applicant's Ownership

M I L V A

We, the undersigned, being the worldwide exclusive representative of the original breeder of the potato variety **"MILVA"**, do hereby declare that we have the exclusive rights to sign this statement. MILVA was bred in the breeding station Berding in Bockhorn-Petersgroden, Germany by cross breeding. The crossing was done by the breeder Mr. Hergen Berding. EUROPLANT Pflanzenzucht GmbH is the worldwide exclusive representative of all varieties bred by SAATZUCHT JOHS. BERDING & SOHN.

We have assigned the marketing rights for the U.S.A. of the variety **"MILVA"** to our representative in the U.S.A. [Hanse Seed Corp.]. In so doing, we have authorized Hanse Seed Corp. to propagate and distribute seeds of the variety **"MILVA"** while also acting as our legal representative in all matters pertaining to the variety.

We hereby grant our consent for Hanse Seed Corp. to register this variety in U.S.A. (National List).

Dated and signed .....3rd March 2008

EUROPLANT
Pflanzenzucht GmbH

Jörg Renatus
-General Manager -

EUROPLANT Pflanzenzucht GmbH • Wulf-Werum-Straße 1, 21337 Lüneburg

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT F
DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S)	ADDRESS *(Street and No. or RD No., City, State, and Zip Code and Country)*	TEMPORARY OR EXPERIMENTAL DESIGNATION
EUROPLANT Pflanzenzucht GmbH per Correspondence 4-29-2008 LMC	P.O. Box 1380 D-21303 Lüneburg	VARIETY NAME MILVA
NAME OF OWNER REPRESENTATIVE (S) 4-29-2008	**ADDRESS** *(Street and No. or RD No., City, State, and Zip Code and Country)*	FOR OFFICIAL USE ONLY
Hanse Seed Corp. Jonn Thomas Düsing	803, Nandina Drive Weston, Fl. 33327, USA	PVPO NUMBER #200300065

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

EUROPLANT Pflanzenzucht GmbH • Wulf-Werum-Straße 1, 21337 Lüneburg • EUROPLANT

Signature

Lüneburg, 29.06.2006
Date

EUROPLANT
Pflanzenzucht GmbH
Wulf-Werum-Str. 1
21337 Lüneburg

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